Initial: 9/11/02

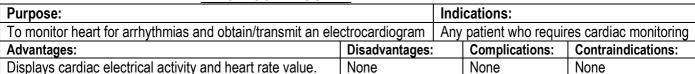
Reviewed/revised: 2/15/12

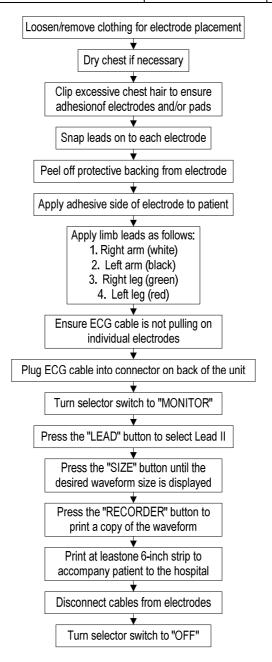
Revision: 2

MILWAUKEE COUNTY EMS PRACTICAL SKILL 4-LEAD

Approved by: Ronald Pirrallo, MD, MHSA Signature:
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ELECTROCARDIOGRAM





- Lead II is the standard lead used to monitor the patient's ECG.
- A six-inch or longer strip will accompany the patient to the hospital.
- In cases where the strip is run to record a rhythm change, a copy should be left with the patient at the receiving emergency department.

Initial: 9/92

Reviewed/revised: 2/15/12

Revision: 7

MILWAUKEE COUNTY EMS PRACTICAL SKILL 12-LEAD ELECTROCARDIOGRAM

Approved by: Ronald Pirrallo, MD, MHSA
Signature:
Page 1 of 1

Purpose:	Indications:		
To obtain and transmit a diagnostic quality 12-lead electrocardiogram	Any patient experiencing symptoms of possible cardiac origin		
Advantages:	Disadvantages:	Complications:	Contraindications:
Provides electrical view of all areas of the myocardium; Enables receiving hospital notification of STEMI arrival	None	None	None

Place electrodes on patient as follows:

- V1 4th intercostal space, right sternal border
- V2 4th intercostal space, left sternal border
- V3 Midway between V2 and V4
- V4 Mid clavicular line, fifth intercostal space
- V5 Lateral to V4 at the anterior axillary line
- V6 Lateral to V5 at the midaxillary line
- RA Right arm or shoulder (anywhere)
- LA Left arm or shoulder (anywhere)
- RL Right leg or right lower abdomen (anywhere)
- LL Left leg or left lower abdomen (anywhere)

Enter case # and at least patient's initials

Enter ACI-TIPI Information as prompted:
Patient age; patient's heart rate; chest pain (primary, secondary other, or none); time since onset; history of diabetes (yes or no); gender; blood pressure and history of hypertension (yes or no)

Instruct patient to lie quietly while machine collects date

Press "Acquire" softkey to acquire ECG (one copy will automatically print out)

Connect Rosetta and radio or telephone

Request frequency to send 12-lead via radio

▼ Transmit

- Obtain the 12 lead at the earliest opportunity; standard is within 10 minutes.
- Do not delay administration of nitroglycerin to obtain a 12-lead ECG.

Initial: 9/92

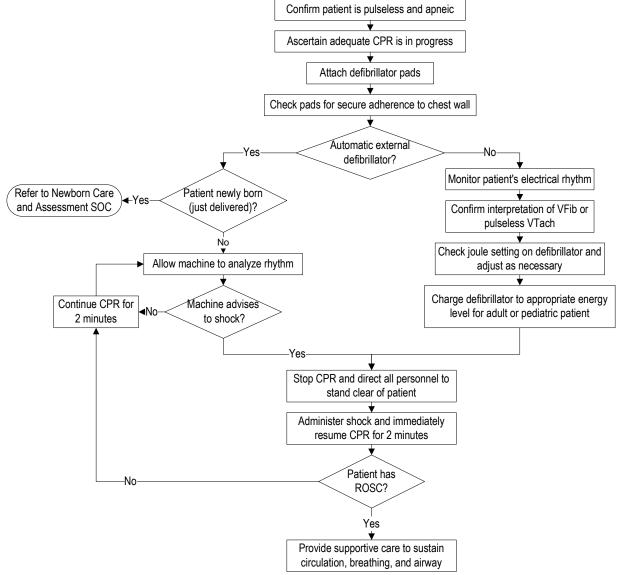
Reviewed/revised: 2/23/13

Revision: 7

MILWAUKEE COUNTY EMS PRACTICAL SKILL DEFIBRILLATION

Approved: M. Riccardo Colella, DO, MPH, FACEP Signature:
Page 1 of 1

Purpose:		Indications:		
To simultaneously depolarize the myocardial cells to terminate ventricular fibrillation or ventricular tachycardia			Patient presents pulseless and apneic in ventricular fibrillation or ventricular tachycardia	
Advantages:	Disadvantages:	Complications:	Contraindications:	
Termination of Vfib or Vtach in the pulseless, apneic patient	Electrical current causes some injury to myocardium	Poor interface between chest wall and pads can cause burns	Any patient with pulses Valid DNR orders Conditions incompatible with life	



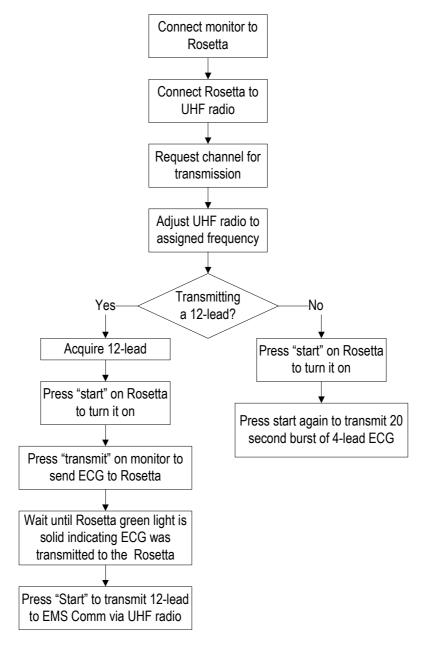
- Do not apply defibrillator pads over a pacemaker or automatic implanted cardiac defibrillator (AICD).
- Remove Nitropatch or Nitropaste before attaching defibrillator pads.
- Do not defibrillate when conditions exist for electrical conductivity (wet environment, etc.).

Initial: 2/13/08
Reviewed/revised: 10/13/10
Revision: 1

MILWAUKEE COUNTY EMS PRACTICAL SKILL ECG TRANSMISSION

Approved by:	Ronald Pirrallo, MD, MHSA
Signature:	
Page 1 of 1	

Purpose:	Indications:			
To transmit 4- lead and 12-lead electrocardiograms	Any patient wh	Any patient who requires cardiac monitoring		
Advantages:	Disadvantages:	Complications:	Contraindications:	
Transmits ECG to medical control and enables	None	None	None	
faxing 12-lead ECG to receiving hospital				



- The 12-lead will remain in the Rosetta storage as long as the Rosetta device is powered on or for 20 minutes after the device turns itself off
- Paramedics can move the Rosetta and UHF radio to transmit from an area with better reception after disconnecting the Rosetta from the Zoll

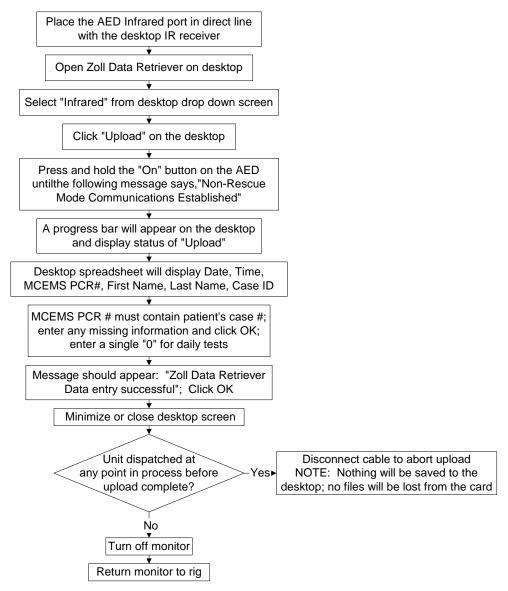
Initial: 10/10/2007 Reviewed/revised: Revision:

MILWAUKEE COUNTY EMS PRACTICAL SKILL INFRA RED DATA

Approved by: Ronald Pirrallo, MD, MHSA
Signature:
Page 1 of 1

UPLOAD FOR ZOLL AED PRO OR AED PLUS

Purpose:			Indications:	
To transfer resuscitation information from the Zoll AED Pro or AED Plus		Patients with any Zoll AED Plus or		
to the RescueNet server using infrared ports		AED Pro moni	toring	
Advantages:	Disadvantages:	Complications:		Contraindications:
Captures and analyzes all	None	Loss of information if upload		None
resuscitation information		procedure not followed		
electronically		correctly		



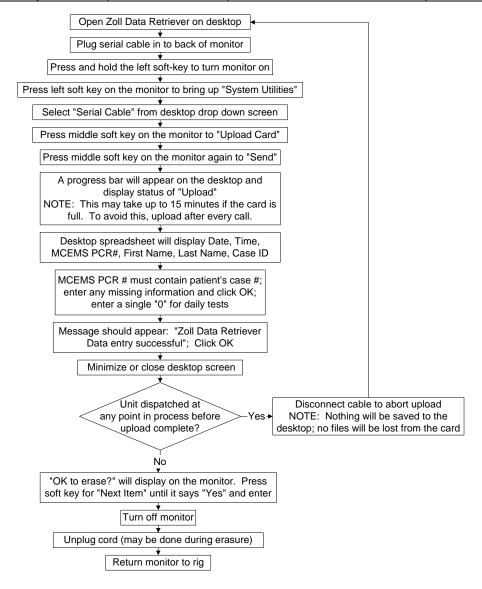
- The MC EMS PCR number must be entered for every case to link the ECG information to the patient's electronic run report. The number can be entered at any time during the call or at the time of upload
- Enter a single "0" as the MC EMS PCR number for daily tests
- To avoid entering the PCR number numerous times, leave the monitor on and leads attached to the patient during the entire call

Initial: 10/10/2007	
Reviewed/revised:	
Revision:	•

MILWAUKEE COUNTY EMS PRACTICAL SKILL SERIAL CABLE DATA UPLOAD FOR ZOLL M-SERIES

Approved by: Ronald Pirrallo, MD, MHSA	
Signature:	
Page 1 of 1	

Purpose:			Indications:	
To transfer ECG and resuscitation information from the Zoll M-series monitor			Patients with any Zoll M-series	
to the RescueNet server using a serial cable		monitoring		
Advantages:	Disadvantages:	Complications:		Contraindications:
Captures and analyzes all	None	Loss of information if upload		None
monitoring, CPR, capnography		procedure not followed correctly		
information electronically				



- The MC EMS PCR number must be entered for every case to link the ECG information to the patient's electronic run report. The number can be entered at any time during the call or at the time of upload
- Enter a single "0" as the MC EMS PCR number for daily tests
- To avoid entering the PCR number numerous times, leave the monitor on and leads attached to the patient during the entire call

Initial: 9/92

Reviewed/revised: 10/12//05

Revision: 5

MILWAUKEE COUNTY EMS PRACTICAL SKILL SYNCHRONIZED CARDIOVERSION

Approved by:	Ronald Pirrallo, MD, MHSA
Signature:	
Page 1 of 1	

Purpose:		Indications:	
To deliver an electrical charge to the myocardium,		Patient presents in: ventricular tachycardia with	
synchronized to the depola	rization of the ventricle	pulses or unstable supra	ventricular tachycardia
		that has not responded to antiarrhythmics	
Advantages: Disadvantages:		Complications:	Contraindications:
Provides rapid conversion	Painful if administered	May result in ventricular	Patients taking digitalis
of dysrhythmia	without sedation	fibrillation	preparations

